

Figure FA

mSI03

Figure 1b

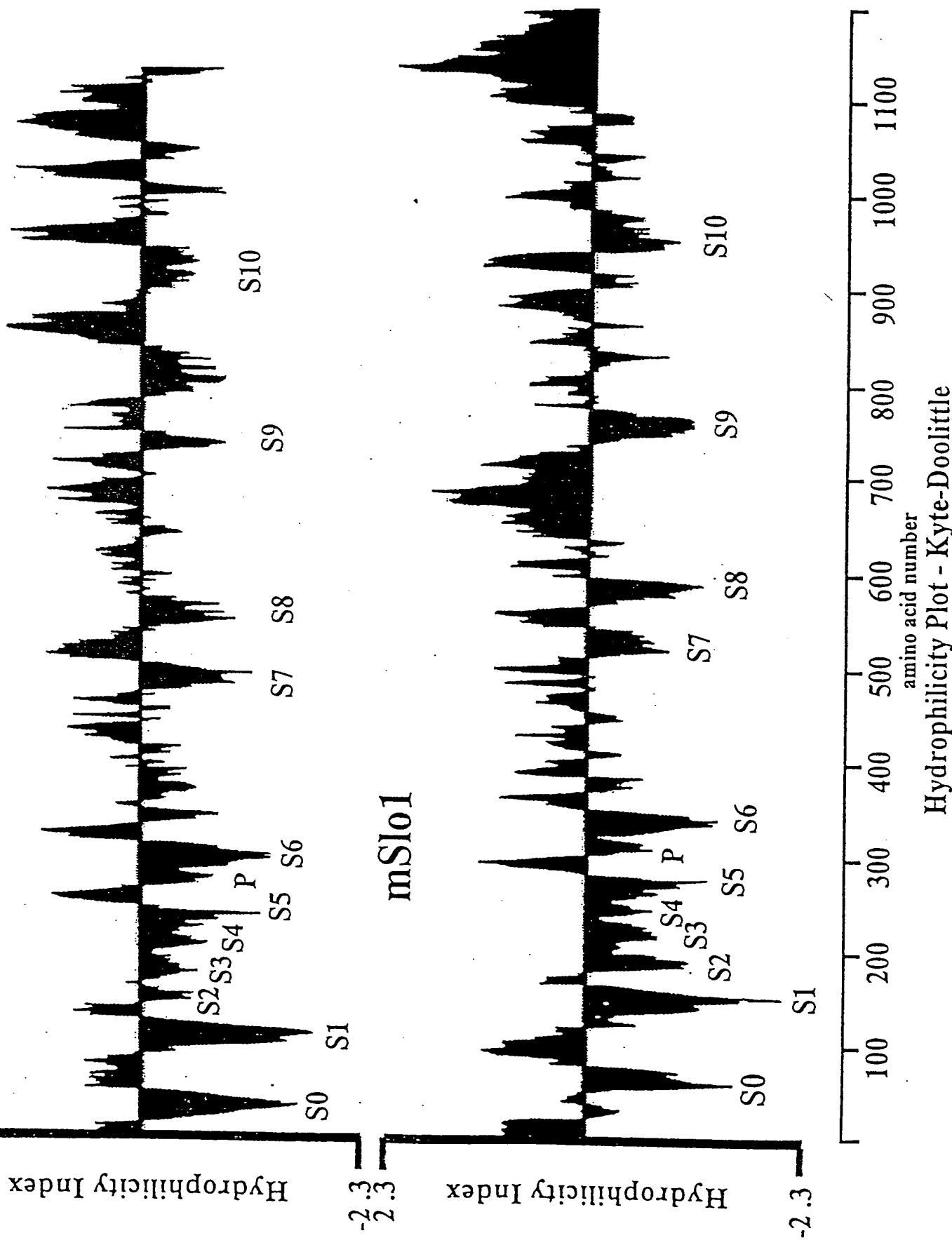


Figure 2A

Figure 2A

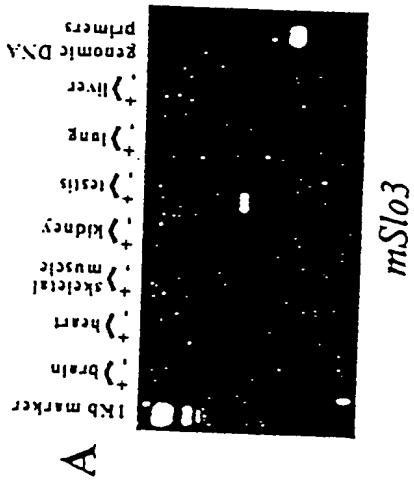


Figure 2C

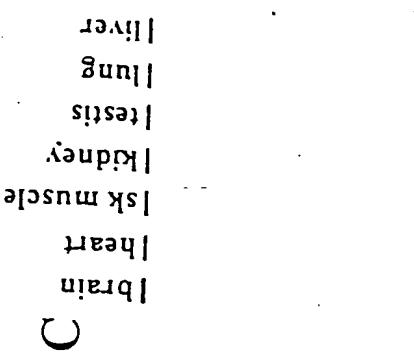


Figure 2D

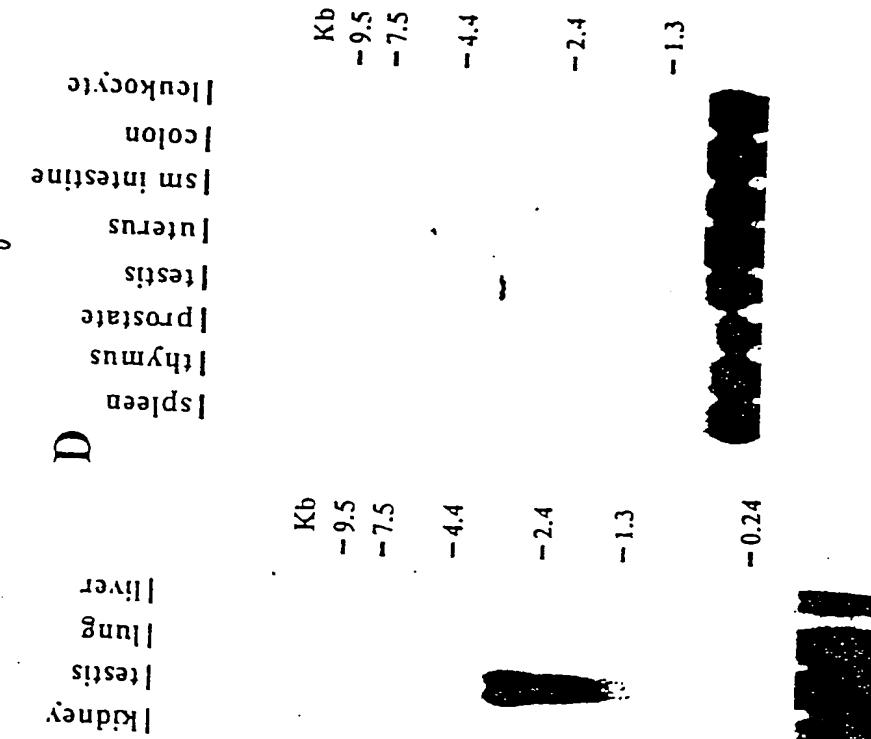
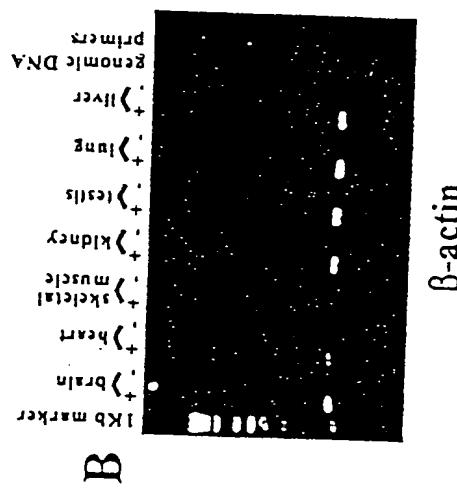


Figure 2B



$\beta$ -actin

Figures 3A - 3D

Figure 3A

a Varying pH at +80mV



Figure 3B

b Reversibility of pH Effect

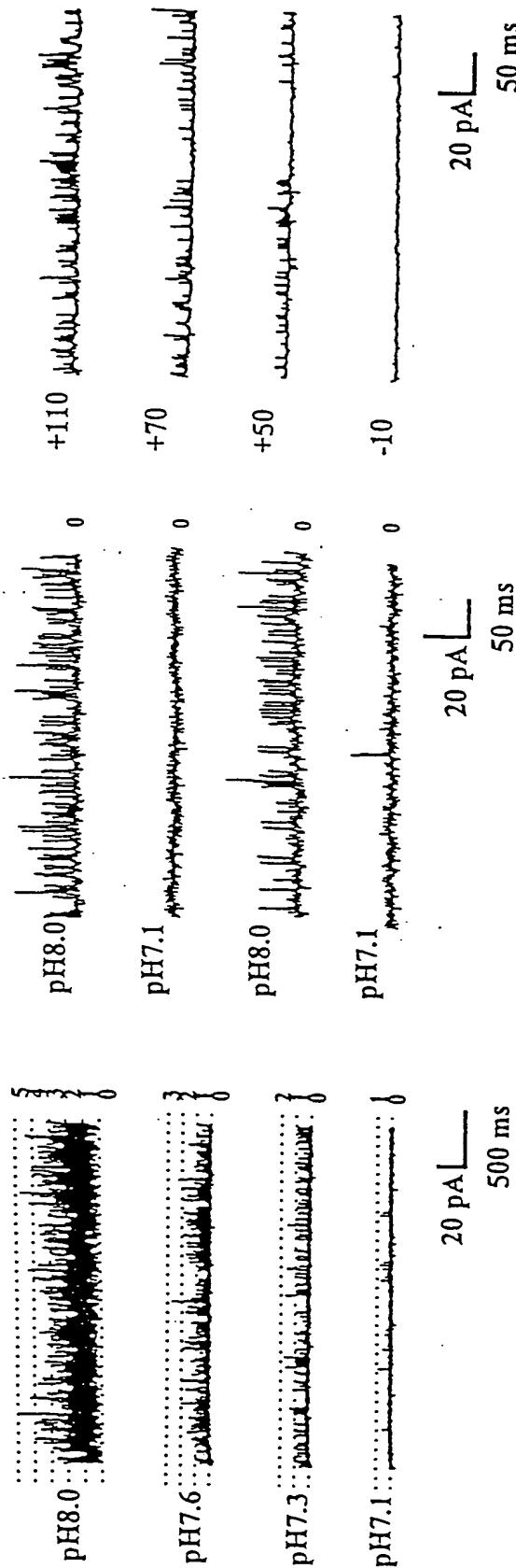


Figure 3C

c Varying Voltage at pH 7.6

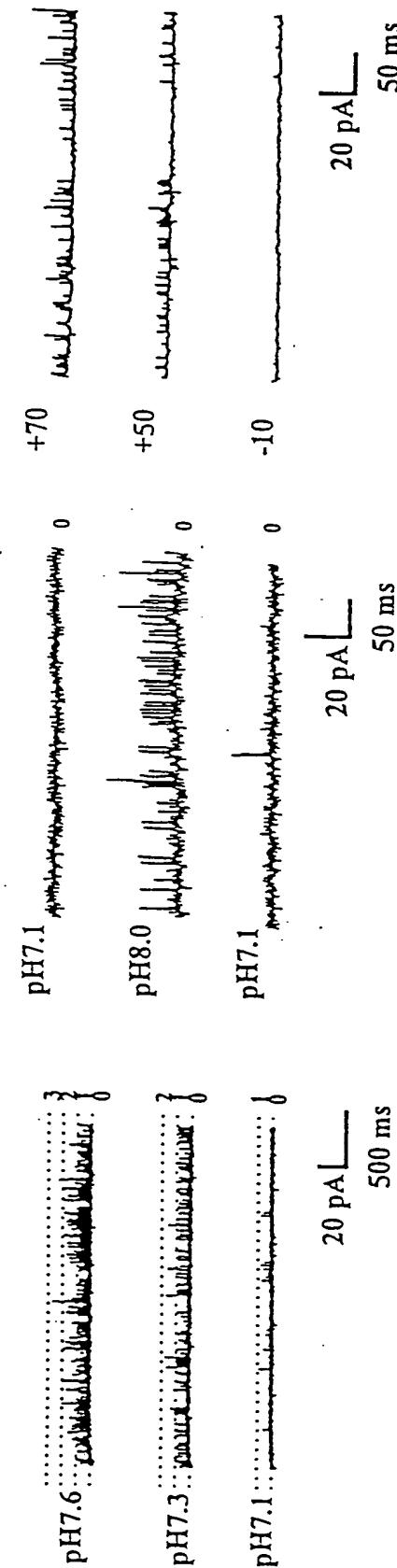


Figure 3D

d Macroscopic patch current

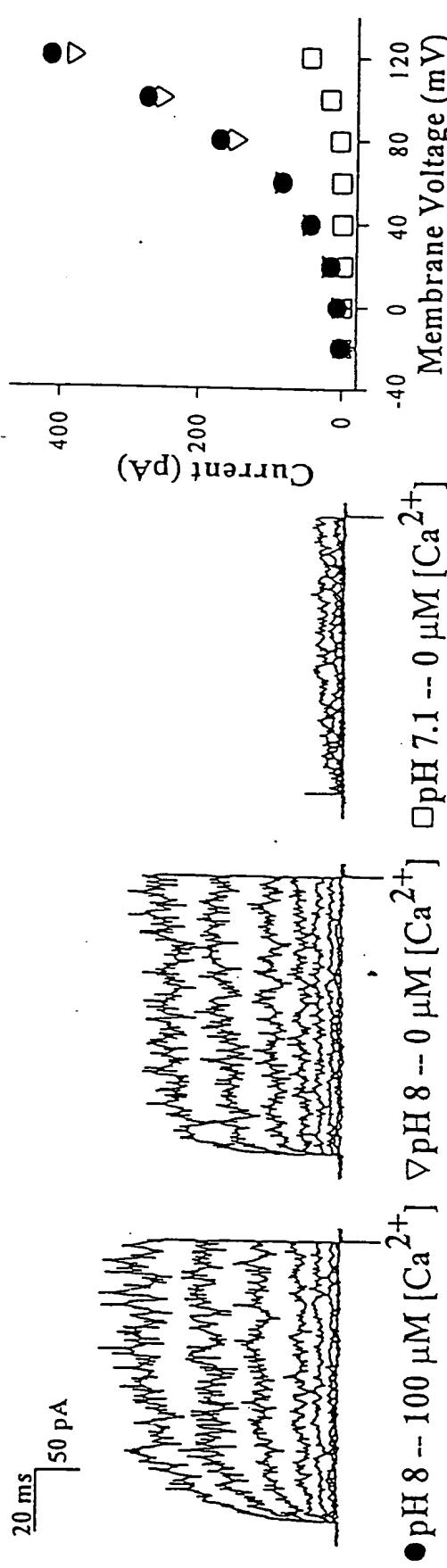


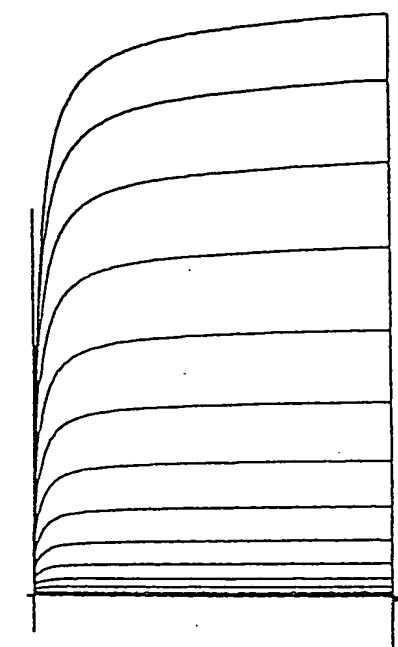
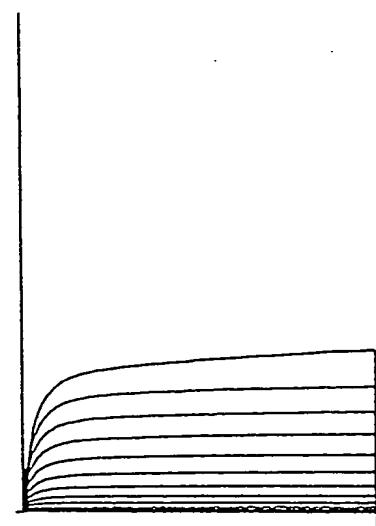
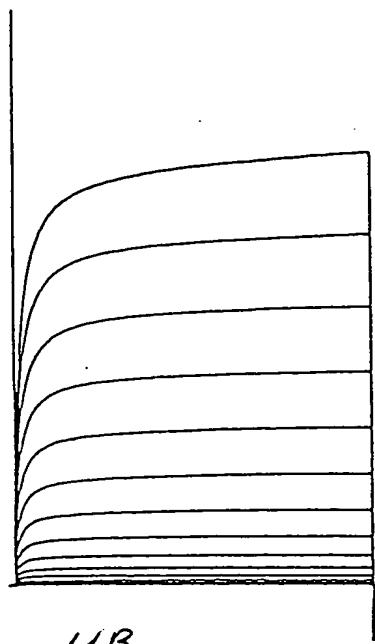
Figure 4A

a

nd96

nd96 +  $\text{HCO}_3^-$

nd96 +  $\text{NH}_4^+$



Dose-response curves

Figure 4B

b

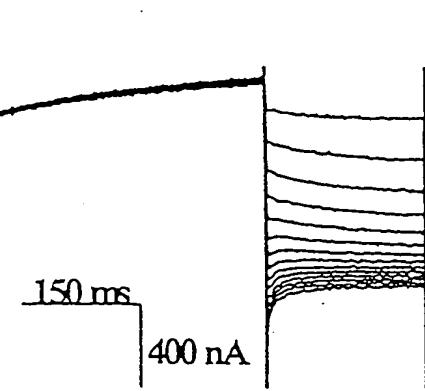


Figure 4C

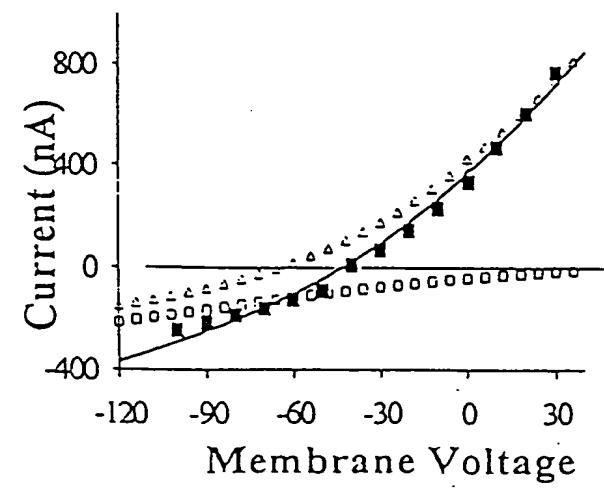


Figure 4D

